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Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450 Express Mail Mailing Label No.: EL 978 887 971 US

Date of Deposit: November 14, 2003

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22313-1450

Barbara Villani

Attorney Docket No. 03692/LH

Pursuant to 37 CFR 1.53(b), transmitted herewith for filing is the patent application of

Inventor(s):

Kenichi FURUKAWA of Atsugi-shi, Japan

Yuichi MAEKAWA of Atsugi-shi, Japan

"OPTICAL DISC DRIVE HAVING A FUNCTION FOR ESTIMATING DOUBLE Title: REFRACTION IN DISC"

Priority Claim (35 U.S.C. 119) is made, based upon:

filed November 18, 2002 No. 333155/2002 Japan filed November 19, 2002 No. 334638/2002 Japan No. 343208/2002 filed November 27, 2002 Japan No. 343267/2002 filed November 27, 2002 Japan filed November 28, 2002 No. 344856/2002 Japan filed November 28, 2002 Japan No. 344955/2002

ASSIGNMENT INFORMATION FOR PUBLICATION:

Mitsumi Electric Co. Ltd. 2-11-2, Tsurumaki, Tami-s Tami-shi, 2-11-2, Tsu Tokyo Japan

Enclosed herewith are:

[X]	Specification (Description,	Claims, Abstract):	Pages 1 - <u>56</u>	; Number of claims 1	38
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[] unexecuted (supplied for information Declaration and Power of Attorney [X] executed; [X]

[X] Formal [] Informal Sheets of drawings, Figures 1 - 27 [X]

Assignment and "Patents" Recordation Form Cover Sheet (PTO-1595) AND \$40. RECORDATION FEE. [X]

Certified copies of priority documents identified above IXI

Change of Correspondence Address (Form PTO/SB/122) [X]

[X] **Receipt Postcard**

	Number Filed	Number Extra	Rate	Calculations
Total Claims	3820 =	18	x \$18.00 =	\$ 324.00
Independent Claims MULTIPLE DEPEND	$\frac{11}{\text{ENT CLAIMS}} - 3 =$	8	x \$86.00 = + \$290.00 =	\$ <u>688.00</u> \$
		BASIC FEE		\$ 770.00
		Total of above Calculations		\$ 1,782.00

By:

To the extent not fendered by check, authorization is given to charge any fees under \$7 CFR 1.16 and 1.17 during pendency of the application, or to credit any overpayment, to Deposit Account No, 06-1378. Duplicate copy of this letter is enclosed.

FRISHAUF, HOLFZ, COODMAN & CHICK, P.C.

LH:bv

LEONARD MOLTZ Reg. No. 22,974

12/00

PTO/SB/122 (10-00)
Approved for use through 10/31/2002. OMB 0651-0035
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

CHANGE OF	Application Number	Not yet assigned		
CORRESPONDENCE ADDRESS Application	Filing Date	Herewith		
Application	First Named Inventor	FURUKAWA		
Address to: Commissioner for Patents	Group Art Unit			
P.O. Box 1450 Alexandria, VA. 22313-1450	Examiner Name			
Alexandra, VA. 22010-1400	Attorney Docket Number	03692/LH		

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[X] Attorney or Agent of record. Registration No. 22,974							
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Typed or Printed							
Name	Leonard	Holtz, Re	g. No.	22,974			
Signature							
Date November 1	, 2003	Telephon	e: (212) 3	319-4900	<u>-</u>		
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.							
[] Total of forms are submitted.							

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is govered by 35 USC 122 and 37 CFR 1.14. This collection is estimated to take 3 minuted t o complete, including gathering, preparing and submitting the completed application to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.